

REMARKS

Claims 1-18, 20-24 and 26-36 are pending, with claims 1, 6, 12, 18, 24 and 31 being independent. Claims 1, 2, 6, 7, 12, 13, 18, 20, 24, 26, 31 and 32 have been amended, and claims 19 and 25 have been canceled. In particular, claims 1, 6, 12, 18, 24 and 31 have been amended to recite, among other features, that the current source is configured to supply a current corresponding to a gray scale level. Support for this amendment can be found in the published application (U.S. Patent Application Publication No. 2006/0284800) at least at paragraphs [0173] and [0175]. Each of independent claims 12 and 31 has been further amended to recite, among other features, (1) a comparison control circuit having a first input terminal electrically connected to the transistor, a second input terminal and an output terminal; (2) a switch electrically connected to the output terminal; and (3) that the charge supply means is electrically connected to any one of the source electrode and the drain electrode through the switch. Each of independent claims 6 and 24 has been further amended to recite, among other features, (1) a comparison control circuit having a first input terminal electrically connected to the transistor, a second input terminal and an output terminal; (2) a switch electrically connected to the output terminal; and (3) that the charge supply means is electrically connected to the transistor through the switch. Support for these amendments to claims 6, 12, 24 and 31 can be found in the published application at least paragraph [0112] and at Figs. 12 and 13, and their accompanying text. Claims 2, 7, 13, 20, 26 and 32 have been amended to correct minor errors. No new matter has been introduced.

Independent claims 1, 6 and 18, and their dependent claims 2-5, 7-11 and 19-23 have been rejected under 35 U.S.C 103(a) as being unpatentable over Wu (U.S. Pub. No. 2005/0259054).

As stated above, each of claims 1, 6 and 18 recites, among other features, a current source that is configured to supply a current corresponding to a gray scale level. Applicants request reconsideration and withdrawal of the rejection of claims 1, 6 and 18, and their dependent claims, because Wu does not describe or suggest the recited current source.

Wu describes a passive driving circuit for an organic light emitting diode that includes a current source I (which the Office Action alleges corresponds to the recited current source). The current source I, however, is not configured to supply a current corresponding to a gray scale level. Rather, the current source I is a constant current source. See paragraph 0051 of Wu.

For at least this reason, applicants request reconsideration and withdrawal of the rejection of claims 1, 6 and 18, and their dependent claims.

Independent claims 12, 24 and 31, and their dependent claims 13-17, 25-30 and 32-36, have been rejected under 35 U.S.C 103(a) as being unpatentable over Oomura (U.S. Patent No. 6,693,388).

As stated above, each of independent claims 12 and 31, as amended, recites, among other features, (1) a comparison control circuit having a first input terminal electrically connected to the transistor, a second input terminal and an output terminal; (2) a switch electrically connected to the output terminal; and (3) a charge supply means that is electrically connected to any one of the source electrode and the drain electrode of the transistor through the switch. Applicants request reconsideration and withdrawal of the rejection of claims 12 and 31, and their dependent claims, because Oomura does not describe or suggest the recited charge supply means.

Oomura describes an active matrix display that includes a voltage comparator AMP1 (which the Office Action alleges corresponds to the recited comparison control circuit) having a first input terminal electrically connected to a transistor T4 or T5 and an output terminal electrically connected to a transistor T1 or T2. See Fig. 6 of Oomura. The active matrix display of Oomura further includes a current source Id, a voltage source Vr, and a power supply potential Vdd (which the Office Action alleges correspond, in the alternative, to the recited charge supply means). Oomura, however, does not describe or suggest that the current source Id, the voltage source Vr, or the power supply potential Vdd is electrically connected to any one of the source electrode or the drain electrode of the transistor T4 or T5 through the transistor T1 or T2. Rather, as shown in Fig. 6 of Oomura, the current source Id is directly connected to the transistor T4 or T5 without passing through the transistor T1 or T2; the voltage source Vr is not electrically connected to the transistor T4 or T5 but rather is electrically connected to a second input terminal of the voltage comparator AMP1; and the power supply potential Vdd is directly connected to the transistor T4 or T5 without passing through the transistor T1 or T2.

For at least these reasons, applicants request reconsideration and withdrawal of the rejection of claims 12 and 31, and their dependent claims.

As stated above, independent claim 24, as amended, recites, among other features, (1) a comparison control circuit having a first input terminal electrically connected to the transistor, a second input terminal and an output terminal; (2) a switch electrically connected to the output terminal; and (3) a charge supply means that is electrically connected to the transistor through the switch. For at least the above reasons, applicants request reconsideration and withdrawal of the rejection of claim 24 and its dependent claims because Oomura does not describe or suggest the recited charge supply means.

Applicants submit that all claims are in condition for allowance.

The fees in the amount of \$810 for payment for a Request for Continued Examination (RCE) and \$130 for the one-month extension of time are being paid concurrently herewith on the Electronic Filing System (EFS) by way of Deposit Account authorization. Please apply any other charges or credits to deposit account 06-1050.

Respectfully submitted,

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/Roberto J. Devoto /
Roberto J. Devoto
Reg. No. 55,108

Customer Number 26171
Fish & Richardson P.C.
Telephone: (612) 335-5070
Facsimile: (877) 769-7945